

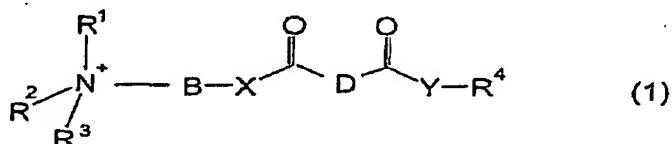
Attorney's Docket: 2003DE410

Serial No.: 10/783,153

Response to Notice of Non-Compliant Amendment mailed February 21, 2007

This listing of claims will replace all prior versions, and listings of claims in the application:

1.(Withdrawn) A method for inhibiting corrosion and gas hydrate formation in mixtures of hydrocarbon and water, said method comprising adding to said mixture a compound of formula (1)



where

R¹, R² are each independently C₁- to C₂₂-alkyl, C₂- to C₂₂-alkenyl, C₆- to C₃₀-aryl or C₇- to C₃₀-alkylaryl,

R³ is C₁- to C₂₂-alkyl, C₂- to C₂₂-alkenyl, C₆- to C₃₀-aryl or C₇- to C₃₀-alkylaryl, -CHR⁵-COO⁻ or -O⁻,

R⁴ is M, hydrogen or an organic radical having from 1 to 100 carbon atoms,

B is a straight-chain or branched C₁- to C₁₀-alkylene group,

D is an ethylene group substituted by an organic radical having from 1 to 600 carbon atoms,

X, Y are each independently O or NR⁶,

R⁵, R⁶ are each independently hydrogen, C₁- to C₂₂-alkyl, C₂- to C₂₂-alkenyl, C₆- to C₃₀-aryl or C₇- to C₃₀-alkylaryl, and

M is a cation.

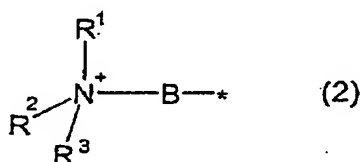
2.(Withdrawn) The method of claim 1, wherein B is a C₂- to C₄-alkylene group.

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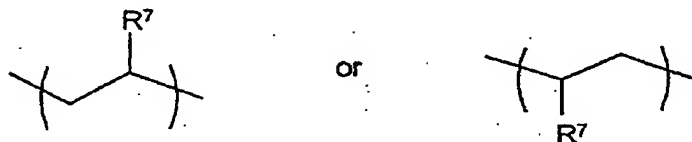
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- 3.(Withdrawn) The method of claim 1, wherein R^1 and R^2 are each independently an alkyl or alkenyl group of from 2 to 14 carbon atoms.
- 4.(Withdrawn) The method of claim 1, wherein R^3 is an alkyl or alkenyl group having from 1 to 12 carbon atoms.
- 5.(Withdrawn) The method of claim 1, wherein R^5 and R^8 are hydrogen.
- 6.(Withdrawn) The method of claim 1, wherein R^4 is a radical of the formula (2)



where R^1 , R^2 , R^3 and B are each as defined in claim 1.

- 7.(Withdrawn) The method of claim 1, wherein D is a structural unit of the formula



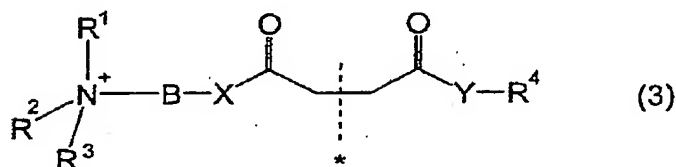
in which R^7 is C_2 - to C_{100} -alkyl or alkenyl radicals.

- 8.(Withdrawn) The method of claim 7, wherein R^7 is structural units of the formula (3)

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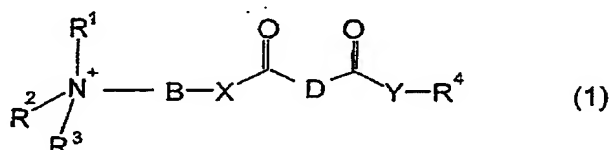
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where R^1 , R^2 , R^3 , R^4 , B, X and Y are each as defined in claim 1.

9.(Previously Presented) A compound of formula (1)



where

R^1 , R^2 are each independently C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^3 is C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, $-\text{CHR}^5-\text{COO}^-$ or $-\text{O}^-$,

R^4 is M, hydrogen or an organic radical having from 1 to 100 carbon atoms,

B is a straight-chain or branched C_1 - to C_{10} -alkylene group,

D is an ethylene group substituted by an organic radical having from 1 to 600 carbon atoms,

X, Y are each independently O or NR^6 ,

R^5 , R^6 are each independently hydrogen, C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, and

M is a cation.

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10.(Withdrawn) The method of claim 1, wherein R⁴ contains hetero atoms.

11.(Previously Presented) The compound of claim 9, wherein R⁴ contains hetero atoms.